

# SOPRA-XPS 40, 60 & 100

TECHNICAL DATA SHEET 180529SCANE

(supersedes 170421SCANE)



INSULATION

APPLICATIONS

FOUNDATIONS

ROOFS

PARKING DECKS

PLAZA DECKS

## DESCRIPTION

SOPRA-XPS 40, 60 & 100 are rigid thermal insulation boards made of high-density extruded polystyrene with square edges on their four sides.

They are composed of closed cell foam.

SOPRA-XPS 40, 60 & 100 are designed for applications requiring high-density insulation on which heavy loads will be applied. They are mainly used for SOPREMA foundation systems under slabs, civil engineering applications, protected-membrane roofing systems (inverted), parking decks and plaza decks.

SOPRA-XPS 40, 60 & 100 do not have any CFC and HCFC - Zero ozone depletion potential.

Minimum 20% recycled content pre-consumer (post industrial).

## INSTALLATION

### LOOSE LAID

The SOPRA-XPS 40, 60 & 100 insulation boards are laid flat on the roof, parking decks, plaza decks and on the ground for applications under concrete slabs. When another layer of SOPRA-XPS 40, 60 & 100 insulation is required, it should be installed with staggered joints without being adhered to the first layer. If necessary, use with SOPRASEAL LM 200 T adhesive or an adhesive compatible with extruded polystyrene to hold the boards together temporarily.

### ADHERED WITH ADHESIVE

Adhere with SOPRASEAL LM 200 T adhesive or an adhesive compatible with extruded polystyrene.

Maximum service temperature: 75 °C (167 °F)

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

## PACKAGING

Specifications	SOPRA-XPS 40 & 60	SOPRA-XPS 100
Available thicknesses*	25 mm (1 in) 38 mm (1.5 in) 51 mm (2 in) 63 mm (2.5 in) 76 mm (3 in) 87 mm (3.5 in)	51 mm (2 in) 76 mm (3 in)
Board dimension*	2438 mm x 610 mm (8 x 2 ft)	
Colour	Light orange	

\* Other thicknesses and dimensions available upon request.  
(All values are nominal)



Système Qualité  
ISO 9001  
QUALITY SYSTEM



Système Environnement  
ISO 14001  
ENVIRONMENT SYSTEM



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS\_SOPRA-XPS\_40\_60\_&\_100indd

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## PROPERTIES

SOPRA-XPS 40 meets the requirements of ASTM C578-14 Type VI.

SOPRA-XPS 60 meets the requirements of ASTM C578-14 Type VII.

SOPRA-XPS 100 meets the requirements of ASTM C578-14 Type V.

SOPRA-XPS 40, 60 & 100 meets the requirements of CAN/ULC S701.1 Type 4.

Properties	Standards	SOPRA-XPS 40	SOPRA-XPS 60	SOPRA-XPS 100
Thermal Resistance (RSI-Value [R Value] / 25.4 mm [1 in] @ 24 °C [75 °F])	ASTM C518	RSI- 0.88 (R – 5,0)		
Water Vapour Permeance	ASTM E96 (Method A)	52 ng/Pa•s•m <sup>2</sup> (0.9 perm)	52 ng/Pa•s•m <sup>2</sup> (0.9 perm)	52 ng/Pa•s•m <sup>2</sup> (0.9 perm)
Dimensional Stability, max.	ASTM D2126	1.5 %		
Min. Flexural Strength	ASTM C203	500 kPa (73 psi)	600 kPa (87 psi)	700 kPa (102 psi)
Water Absorption, % by volume, max.	ASTM D2842	0,6		
Min. Compressive Strength	ASTM D1621	275 kPa (40 psi)	415 kPa (60 psi)	690 kPa (100 psi)
Limiting Oxygen Index	ASTM D2863	24 %	24 %	24%

(All values are nominal)

## STORAGE AND HANDLING

SOPRA-XPS 40, 60 & 100 thermal insulation boards are covered with a temporary waterproof packaging for handling the panels in the manufacturing plant and during transit.

SOPRA-XPS 40, 60 & 100 thermal insulation boards must be stored on a flat substrate, protected from UV and sheltered from inclement weather. As they are flammable, they must be protected and kept away from flames and intense heat sources during transportation, handling, storage, and installation.



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